

M0450046

Leslie Heppler - Re: Bolinder

From: Leslie Heppler
To: Larry_Garahana@blm.gov
Date: 4/12/2010 8:18 AM
Subject: Re: Bolinder
Attachments: 01112006Upsurety.xls

This is what I have in my database :

- Permitted 32 Acres
- Bond \$100,000
- Bond escalation date of 10/30/2011

Note the attachment of a 2011 escalation for 34.9 acres at \$74,100.

Due to the dollar amount of the current bond, I am not overly concerned, during my last inspection (yet to write up) I had noted the roads to the North. It was clear that they were part of the mining operation, but I want to go and investigate where they went. The roads had been upgraded they are showing as outside of their plan (No - nothing new has been submitted to me, hence I have yet to comment on the roads.)

I concur that they don't need to up their bond amount at this time, but I would like to see it updated before the 10/30/2011.

If the 2 roads to the north is part of their operation, I would like the plan to reflect the roads and what ever ground disturbance that they lead to.

Leslie Heppler
 Utah Division of Oil, Gas & Mining
 (801) 538-5257 (Mon thru Thur)
lhheppler@utah.gov

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 Sent
 APR 12 2010

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>>> <Larry_Garahana@blm.gov> 4/9/2010 9:34 AM >>>

Leslie, I'm not sure if Bolinder has sent this info to you. I required them to send me a new map with all of their modifications since they became the operator so I could up-date their plan. Looking at the original plan I realized that they were outside the area to the west that was on the original plan with Hullinger (Hullinger was always outside the permitted area), so I had them re-survey and modify their boundary, include the scale and gate, signs, well, water tanks, etc. I don't believe what they have done should increase their bond at this time, but as we (BLM & DOGM) do, we will check the amount as time goes by and let them know if and when it needs to be increased.

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Let me know your thoughts on this. I am drafting a letter that acknowledges the modification(s) and that BLM is good with it. It will have language that they need concurrence with you also.

Thanks.

(See attached file: bolinder modification 031510.pdf)

Larry Garahana
Geologist
BLM, Salt Lake Field Office
801-977-4371 w
801-824-1519 c
Larry_Garahana@blm.gov

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SURETY ESTIMATE UPDATE

McFarland & Hullinger

11-Jan-06

SiO2

FILE # M/045/046

Tooele County

Prepared by Utah Division of Oil, Gas & Mining

Last Update

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DESCRIPTION:

-Previous reclamation surety estimate was \$62,500 in year 2005 dollars

-Reclamation Estimate base amount calculated in 2000-\$

-This update adjusts the surety amount for escalation only.

Variance to allow 55 degree highwall where bedding forms the highwall Pit end-wall to be 30 degrees

Top soil to be placed at 6" on pit floors - Because soil inventory will be insufficient, amended overburden placed at a 6" depth, will be used to cover the remaining area of the pit floor.

-Escalation factors through 2004 are actual Means Historical Cost Indices

-Total disturbed area = 34.9 ACRES

CALCULATIONS F = P(1 + i)**n	YR	ESCAL FACTOR	BOND AMOUNT
	1995	0.0193	\$0.00
F = Future Sum	1996	0.0242	\$0.00
P = Present Sum	1997	0.0236	\$0.00
i = Escalation Factor	1998	0.0502	\$0.00
n = number of periods	1999	0.0191	\$0.00
	2000	0.0244	\$62,500
Three Yr Average =1.20%	2001	0.0421	\$65,131
Used to Project 5 Yrs	2002	0.0171	\$66,245
From the Year 2005	2003	0.0084	\$66,801
	2004	0.0200	\$68,137
	2005	0.0120	\$68,955
	2006	0.0120	\$69,783
	2007	0.0120	\$70,620
	2008	0.0120	\$71,467
	2009	0.0120	\$72,325
	2010	0.0120	\$73,193
	2011	0.0120	\$74,071

Updated Surety Amount Rounded (2011-\$) \$74,100

** Average cost per acre = 2123 (\$/ACRE)

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Bolinder Resources requests your permission to take the following actions to modify our current plan under U-77020:

- ❖ Install a gate to protect untrained personnel from entering the potentially dangerous quarry.
(see "GATES" on map)
- ❖ Put up signs to not only comply with necessary MSHA regulations, but also to warn others of possible dangers. Below are the Contents of the signs:
 - "DANGER HIGH WALL" (see figure 1 below, portable sign)
 - "DANGER FALLING ROCK" (see figure 2 below, portable sign)
 - DRIVER ENTERING QUARRY (see figure 3 below, sign is mounted on "SCALE HOUSE",)
- ❖ Extend bermed (boulder border) area around mining area
 - We plan on placing surface boulders along the west entrance to the quarry (see "STONE WALL" on map)
 - We will place the rocks using a track-hoe with a thumb as well as a dump-truck
- ❖ Extending Mining Boundary as per map.
- ❖ Dig well to provide water for dust control in quarry and surrounding area (see "WELL" on map)
- ❖ Install Water tanks to prevent excessive dust in quarry and surrounding area (see "WATER TANK" on map)
- ❖ Enlarge silica-sand stockpile area; the following precautions will be taken to prevent contamination from Barney's Canyon Ore (see "PROPOSED SAND STOCKPILE" on map)
 - Mixed silica (containing Barney's Canyon Ore) will only be stockpiled on the portion of the stockpile where existing liner is already in place
 - A berm will be in place to prevent run-off water from pad.
- ❖ Relocate existing Barney's Canyon Ore stockpile (see "BC STOCKPILE" on map)
- ❖ Install truck scale & scale-house to weigh trucks hauling material from the quarry (see "SCALE" & "SCALE HOUSE" on map)

Sincerely,


Stacey M. Bolinder

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2010 MAR 16 AM 10:45



Figure 1



Figure 2

READ BEFORE PROCEEDING

NO EXCEPTIONS

THIS IS YOUR HAZARD TRAINING

FOR THIS SITE

MSHA ID#42-01247

- Surface mining operation hazard area
- No unauthorized visitors
- Hard hats, eye and ear protection required
- Speed limit is 5 m.p.h.
- Stay in vehicle except at scales
- Stay on roadways
- No unauthorized persons on equipment at any time.
- Watch your step in and around scale house & all other areas
- Heavy equipment has the right of way

Failure to Comply Constitutes Violation of State and/or Federal Law

-Bolinder Resources, LLC

Figure 3

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FOUND SECTION CORRECTION

PERMIT BOUNDARY

QUARTER SECTION LINE

SECTION LINE



LOCATED IN
SECTION 21 & 29,
TOWNSHIP 1 NORTH, RANGE 6 WEST,
SALT LAKE BASE AND MERIDIAN
TOOELE COUNTY, UTAH

BOLINDER RESOURCES, LLC.
MINING CLAIM EXHIBIT
TOOELE COUNTY, UTAH

SHEET
1 of 1

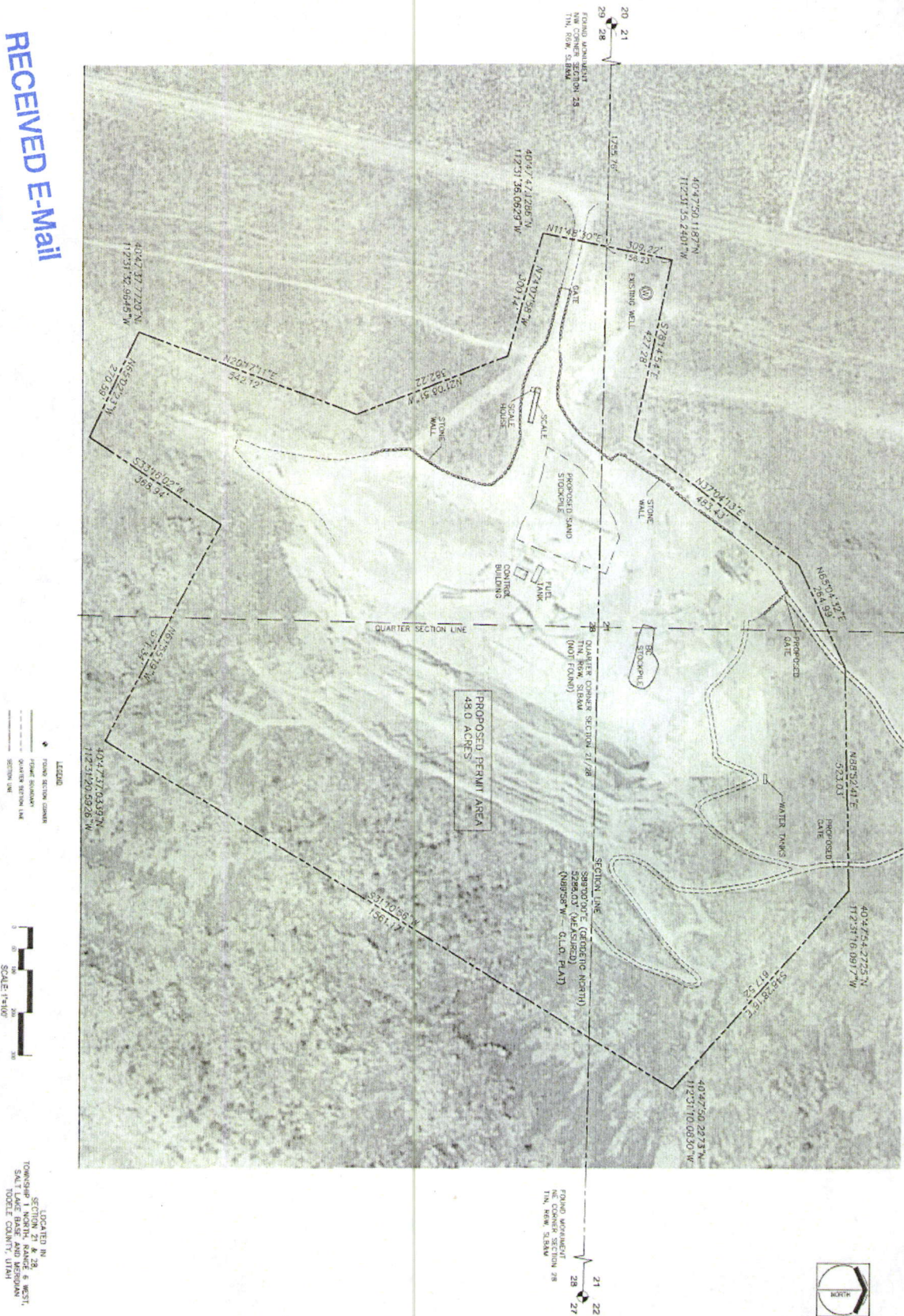
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BASELINE SURVEYING, Inc.

1008 East 2100 South
Salt Lake City, UT 84106 (801) 209-2152

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Div. of Oil, Gas & Mining



BOLINDER RESOURCES, LLC.
MINING CLAIM EXHIBIT
TOOELE COUNTY, UTAH

SHEET
1 of 1

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